Mivision: Industrial

branch: **Electronic Equipment** 

## External Research Project Proposal

Commoment of the Seviet Surface-to-Air Missile System

Problem: Appreciately 3,600 Surface-to-Air edecile launching made have been noted in the Russew air defense system. A key element in this system is the Soviet 3-200 electronic ground control and gridence set. To determine the possible rate of exhausion of this system to other key Seriet cities a thereagh economic applicate of evaluable information is required. The objective of this proposed greject is to here available details of the Soviet 8-200 system enalyzed in on ettempt to: (1) state the physical specificstimes of one complete systems (2) derive a Soviet design and production pattern; and, (3) utilize this information in a production engineering and ozenazio costing arabysis. This inferestion will then be used by CER in conjunction with other inferentian to assess the 3-200 program in terms of total forist alestrocion regulremente and the evailable electronic mobilisation base. This project will require detailed technical analysis, some of with two boom portially encomplished by hir Technical Intelligence Conter. Asturous Exploitation Group, and the Dismond Ordnesco Fran Laboratory. It vall also require openialized industrial engineering analysis to specify the types and quantities of saturial and labor inputs; the mestinary and essenbly line operations required; and to estimate the cost function in relation to output rates. The avalyaic may be broken down into three distinct phases. The first phase requires determination of the technical specification of the equipment. The second phase will be an industrial engineering study of the production process. The third phase will include the development of cost and price information in the terms (in a form suitable for CEC/1/85 translatice into Soviet terms).

<u>dustifications</u> The Bur**fac-to-dir** missile system using the B-200 equipment is a Soviet air defence weepen designed for use against high-speed box Many reports concerning this system have been accumulated. These are almost amiliatively technical in nature, although they contain sufficient detail on circuit design, construction methods, and operational philosophy to suggest that exploitation in escenario terms would be profitable. When combined with other information in ONR the results of this project will permit a more rigarous accounting them has heretofere been possible of Seviet espabilities in a highly critical field. Openifically the study will permit Can to relate the production of 1-200 systems to other measure systems and to the total inistrial base available. The necessary allocations of economic effort to accomposate any given level of 5-200 production may be accoured to aid in defining the impact of this program on other electronics peoplements. Parison production rates to support an embarator of this system to other key Coviet cities would also be an important factor in the CRI use of tids study. The project will be occurdenced with the Office of intentilis intelligence.

Transport Contractors

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